

INSPECTION REPORT

Partial ☐ Complete ☒ Exploration ☐
 Inspection Date: 09/10/2003 / Time: 8:30-11:15 AM
 Date of Last Inspection: 06/10/2003

Mine Name: Trail Mountain Mine County: Emery Permit Number: C/015/009
 Permittee and/or Operator's Name: PacifiCorp
 Business Address: P.O. Box 310, Huntington, Utah 84528
 Company Official(s): Mr. Dennis Oakley, Senior Environmental Engineer
 State Official(s): Peter Hess Federal Official(s): None
 Weather Conditions: Cloudy, rain/ temperature in 50's, Fahrenheit
 Type of Mining Activity: Underground ☐ XXX Surface ☐ Prep Plant ☐ Other ☐
 Existing Acreage: Permitted 3538.98 Disturbed 10.69 Regraded ☐ Seeded ☐
 Status: Temporary Cessation

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
 - a. For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
 - b. For partial inspections check only the elements evaluated.
2. Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL ISSUES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4 th Quarter- April, May, June)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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(COMMENTS ARE NUMBERED TO CORRESPOND WITH TOPICS LISTED ABOVE)

4A. HYDROLOGIC BALANCE: DIVERSIONS

Today's field inspection revealed that runoff from the Emery County road which parallels Cottonwood Creek is coming off that road and running onto the Trail Mountain disturbed area through the North gate (allows entrance to employee parking area). The runoff is dropping down the access ramp and then turns down gradient into the concrete-lined ditch that parallels the metal retaining wall. The outlet of the sixteen-inch corrugated metal pipe that routes flow from the parking area under the access ramp had its cross sectional area obstructed by mud and silt by approximately 40%. The inlet of the sixteen-inch corrugated metal pipe that is located south of the office trailer (located due east of the Main Bath house building) was blocked. It needs to be noted that although the culverts were not capable of fully functioning, all runoff would still report to the sediment pond for treatment. As there is no activity at the site, (temporary cessation), the permittee's request to allow time to perform maintenance seemed reasonable. Mr. Oakley agreed to perform the necessary maintenance as soon as possible.

4B. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS

The permittee conducted the second quarter impoundment inspection for the mine site sediment pond on June 16, 2003. The inspection was performed by Mr. John Christensen, P.E., and Mr. Rick Cullum, Utah registered land surveyor. There were no unstable conditions or structural weaknesses observed. The inspection noted that the pond had 0.19 acre-feet of sediment storage capacity remaining. The certification and qualification statements for the inspection were completed by Messrs. Christensen and Cullum on July 11th and 16th respectively.

4D. HYDROLOGIC BALANCE: WATER MONITORING

The permittee has completed and submitted the second quarter 2003 surface and ground water monitoring information for the Trail Mountain permit area.

Discharge monitoring reports for the months of April, May, June, and July were reviewed. Neither of the two permitted UPDES outfalls discharged during the four-month period.

The Division's assigned Reclamation Hydrologist for the Trail Mountain permit area completed a review of the first quarter 2003 water monitoring information on August 18th. The following comments were noted:

- 1) The first quarter of 2003 was the sixth consecutive quarter that stream monitoring point SW-2 (located on Cottonwood Creek adjacent to the B.T.C.A. area down gradient of the mine site sediment pond) reported results for the sulfate parameter whose levels were two standard deviations above normal.

In discussing the issue with Mr. Oakley, records were reviewed for historical levels of sulfate. The levels for sulfate for the Cottonwood Mine /Trail Mountain Access (monitoring point TMA) were determined to vary from 250 to 290 mg/l. This mine water discharge point is a permitted UPDES point, which discharges to Cottonwood Creek above SW-2. As Utah has generally seen drought conditions over the last four years, there has probably been very little, if any, dilution of the sulfate levels in the mine water discharge emanating from the Trail Mountain access. The summer months of 2003 were very dry.

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- 2) The review indicated that the permittee should submit the depth of water in all well monitoring records in addition to the water elevation in the well, measured above sea level. Mr. Oakley did not agree with the request, indicating he did not know the elevation above sea level of the bottom of each well. This should be obtainable information, although extensive research may be necessary to determine elevations for each of the Energy West monitoring wells.
- 3) The remaining issue identified that the permittee needs to submit all well monitoring information, (water depth and well elevation) measurements in feet rather than meters.

It is the Division's intent to work with the permittee to bring the aforementioned issues to resolution.

15. CESSATION OF OPERATIONS

There has been no change in status relative to "temporary cessation" at the Trail Mountain site.

16B. ROADS: DRAINAGE CONTROLS

As noted above, runoff from the Emery County road which parallels Cottonwood Creek is coming off that road and running onto the Trail Mountain disturbed area through the North gate (allows entrance to employee parking area). The runoff is dropping down the access ramp and then turns down gradient into the concrete-lined ditch which parallels the metal retaining wall. It was suggested to Mr. Oakley that a berm be placed in order to keep the County road runoff on the road, or within its runoff controls, rather than allow it to run onto the permitted, disturbed area. In consideration of the current level of use, Mr. Oakley agreed with this.

18. SUPPORT FACILITIES/UTILITY INSTALLATIONS

All electricity at the site has been turned off. All buildings are locked, as are all access gates. The inspection of the chain link barriers at the portals did not reveal any tampering.

21. BONDING AND INSURANCE

General liability coverage for the site remains in effect until April 1, 2004. A general aggregate amount of \$20,000,000 is provided for; a similar amount is provided for each occurrence.

Inspector's Signature: _____ Date: September 11, 2003
Peter Hess #46

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas & Mining.

cc: James Fulton, OSM
Chuck Semborski, PacifiCorp, via email
Price Field office
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